

clmuentor  
1, 5, 7

PATENT

---

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)**

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for a national stage of PCT application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

METHOD AND DEVICES FOR CODING OR DECODING AN AUDIO SIGNAL OR BIT STREAM

**SPECIFICATION IDENTIFICATION**

The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

**PRIORITY CLAIM (35 U.S.C. Section 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Such applications have been filed as follows.

PRIOR PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. SECTION 119(a)-(d)

INDICATE IF PCT	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 U.S.C. SECTION 119
PCT	PCT/EP98/08475	28 December 1998	yes

**POWER OF ATTORNEY**

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Customer No. 24283**

SEND CORRESPONDENCE TO  
**Customer No. 24283**

DIRECT TELEPHONE CALLS TO:  
Carl A. Forest  
303-379-1114

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURE(S)**

Ralph Sperschneider

Inventor's signature

Date August 13, 2001

Country of Citizenship Germany

Residence Erlangen Germany DEX

Post Office Address Donato-Polli-Strasse 42, Erlangen D-91056 Germany

Martin Dietz

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Nuernberg Germany

Post Office Address Kleinreuther Weg 47, Nuernberg D-90408 Germany

Andreas Ehret

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Erlangen Germany

Post Office Address Gerhart-Hauptmann-Strasse 1, Erlangen D-91058 Germany

Karlheinz Brandenburg

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Erlangen Germany

Post Office Address Haagstrasse 32, Erlangen D-91054 Germany

Heinz Gerhaeuser

Inventor's signature

Date August 13, 2001

Country of Citizenship Germany

Residence Waischenfeld Germany DEX

Post Office Address Saugendorf 17, Waischenfeld D-91344 Germany

Ali Nowbakht-Irani

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship ~~XXXXXX~~ Iran

Residence Erlangen Germany

Post Office Address Wichernstrasse 18, Erlangen D-91052 Germany

Pierre Lauber

Inventor's signature

Date August 13, 2001

Country of Citizenship Germany

Residence Nuernberg Germany DEX

Post Office Address Rilkestrasse 30, Nuernberg D-90419 Germany

Roland Bitto

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Nuernberg Germany

Post Office Address Alfons-Stauder-Strasse 77, Nuernberg D-90543 Germany

*clueventor*  
2

---

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)**

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for a national stage of PCT application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

METHOD AND DEVICES FOR CODING OR DECODING AN AUDIO SIGNAL OR BIT STREAM

**SPECIFICATION IDENTIFICATION**

The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

**PRIORITY CLAIM (35 U.S.C. Section 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Such applications have been filed as follows.

**PRIOR PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
 (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
 AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. SECTION 119(a)-(d)**

INDICATE IF PCT	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 U.S.C. SECTION 119
PCT	PCT/EP98/08475	28 December 1998	yes

**POWER OF ATTORNEY**

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Customer No. 24283**

---

SEND CORRESPONDENCE TO <b>Customer No. 24283</b>	DIRECT TELEPHONE CALLS TO: Carl A. Forest 303-379-1114
---	--

---

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURE(S)**

Ralph Sperschneider  
**Inventor's signature** \_\_\_\_\_ **Country of Citizenship** Germany  
 Date \_\_\_\_\_ Residence Erlangen Germany  
 Post Office Address Donato-Polli-Strasse 42, Erlangen D-91056 Germany

*Martin Dietz*  
**Inventor's signature** \_\_\_\_\_ **Country of Citizenship** Germany  
 Date August 13, 2001 Residence Nuernberg Germany *DEX*  
 Post Office Address Kleinreuther Weg 47, Nuernberg D-90408 Germany

Andreas Ehret  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Erlangen Germany  
**Post Office Address** Gerhart-Hauptmann-Strasse 1, Erlangen D-91058 Germany

Karlheinz Brandenburg  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Erlangen Germany  
**Post Office Address** Haagstrasse 32, Erlangen D-91054 Germany

Heinz Gerhaeuser  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Waischenfeld Germany  
**Post Office Address** Saugendorf 17, Waischenfeld D-91344 Germany

Ali Nowbakht-Irani  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** ~~Germany~~ Iran  
**Residence** Erlangen Germany  
**Post Office Address** Wichernstrasse 18, Erlangen D-91052 Germany

Pierre Lauber  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Nuernberg Germany  
**Post Office Address** Rilkestrasse 30, Nuernberg D-90419 Germany

Roland Bitto  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Nuernberg Germany  
**Post Office Address** Alfons-Stauder-Strasse 77, Nuernberg D-90543 Germany

*inventor*  
3

Practitioner's Docket No. 13189.134

PATENT

---

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)**

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for a national stage of PCT application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am ~~an~~ original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

METHOD AND DEVICES FOR CODING OR DECODING AN AUDIO SIGNAL OR BIT STREAM

**SPECIFICATION IDENTIFICATION**

The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

**PRIORITY CLAIM (35 U.S.C. Section 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Such applications have been filed as follows.

**PRIOR PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. SECTION 119(a)-(d)**

INDICATE IF PCT	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 U.S.C. SECTION 119
PCT	PCT/EP98/08475	28 December 1998	yes

**POWER OF ATTORNEY**

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Customer No. 24283**

SEND CORRESPONDENCE TO  
**Customer No. 24283**

DIRECT TELEPHONE CALLS TO:  
Carl A. Forest  
303-379-1114

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURE(S)**

Ralph Sperschneider  
**Inventor's signature**

Date \_\_\_\_\_ Country of Citizenship Germany  
Residence Erlangen Germany  
Post Office Address Donato-Polli-Strasse 42, Erlangen D-91056 Germany

Martin Dietz

**Inventor's signature** \_\_\_\_\_  
Date \_\_\_\_\_ Country of Citizenship Germany  
Residence Nuernberg Germany  
Post Office Address Kleinreuther Weg 47, Nuernberg D-90408 Germany

*300*  
Andreas Ehret

Inventor's signature

Date August 13, 2001

  
Country of Citizenship Germany

Residence Erlangen Germany *DEX*

Post Office Address Gerhart-Hauptmann-Strasse 1, Erlangen D-91058 Germany

Karlheinz Brandenburg

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Erlangen Germany

Post Office Address Haagstrasse 32, Erlangen D-91054 Germany

Heinz Gerhaeuser

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Waischenfeld Germany

Post Office Address Saugendorf 17, Waischenfeld D-91344 Germany

Ali Nowbakht-Irani

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship ~~Germany~~ Iran

Residence Erlangen Germany

Post Office Address Wichernstrasse 18, Erlangen D-91052 Germany

Pierre Lauber

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Nuernberg Germany

Post Office Address Rilkestrasse 30, Nuernberg D-90419 Germany

Roland Bitto

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Nuernberg Germany

Post Office Address Alfons-Stauder-Strasse 77, Nuernberg D-90543 Germany

*inventor*  
4

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)**

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for a national stage of PCT application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

METHOD AND DEVICES FOR CODING OR DECODING AN AUDIO SIGNAL OR BIT STREAM

**SPECIFICATION IDENTIFICATION**

The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

**PRIORITY CLAIM (35 U.S.C. Section 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Such applications have been filed as follows.

**PRIOR PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
 (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
 AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. SECTION 119(a)-(d)**

INDICATE IF PCT	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 U.S.C. SECTION 119
PCT	PCT/EP98/08475	28 December 1998	yes

**POWER OF ATTORNEY**

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Customer No. 24283**

SEND CORRESPONDENCE TO  
**Customer No. 24283**

DIRECT TELEPHONE CALLS TO:  
 Carl A. Forest  
 303-379-1114

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURE(S)**

Ralph Sperschneider

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Erlangen Germany

Post Office Address Donato-Polli-Strasse 42, Erlangen D-91056 Germany

Martin Dietz

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

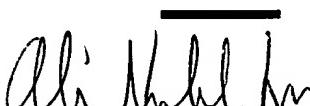
Residence Nuernberg Germany

Post Office Address Kleinreuther Weg 47, Nuernberg D-90408 Germany

Andreas Ehret  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Erlangen Germany  
**Post Office Address** Gerhart-Hauptmann-Strasse 1, Erlangen D-91058 Germany

Karlheinz Brandenburg  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Erlangen Germany  
**Post Office Address** Haagstrasse 32, Erlangen D-91054 Germany

Heinz Gerhaeuser  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Waischenfeld Germany  
**Post Office Address** Saugendorf 17, Waischenfeld D-91344 Germany

600 Ali Nowbakht-Irani  
**Inventor's signature**  \_\_\_\_\_  
**Date** August 13, 2001 **Country of Citizenship** Germany Iran  
**Residence** Erlangen Germany DEX  
**Post Office Address** Wichernstrasse 18, Erlangen D-91052 Germany

Pierre Lauber  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Nuernberg Germany  
**Post Office Address** Rilkestrasse 30, Nuernberg D-90419 Germany

Roland Bitto  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Nuernberg Germany  
**Post Office Address** Alfons-Stauder-Strasse 77, Nuernberg D-90543 Germany

*inventor*

*6*

**PATENT**

**Practitioner's Docket No. 13189.134**

---

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)**

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for a national stage of PCT application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

METHOD AND DEVICES FOR CODING OR DECODING AN AUDIO SIGNAL OR BIT STREAM

**SPECIFICATION IDENTIFICATION**

The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

**PRIORITY CLAIM (35 U.S.C. Section 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Such applications have been filed as follows.

**PRIOR PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. SECTION 119(a)-(d)**

INDICATE IF PCT	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 U.S.C. SECTION 119
PCT	PCT/EP98/08475	28 December 1998	yes

**POWER OF ATTORNEY**

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Customer No. 24283**

<input checked="" type="checkbox"/> SEND CORRESPONDENCE TO <b>Customer No. 24283</b>	<input checked="" type="checkbox"/> DIRECT TELEPHONE CALLS TO: Carl A. Forest 303-379-1114
---	--

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURE(S)**

Ralph Sperschneider  
**Inventor's signature** \_\_\_\_\_ **Date** \_\_\_\_\_ **Country of Citizenship** Germany  
 Residence Erlangen Germany  
 Post Office Address Donato-Polli-Strasse 42, Erlangen D-91056 Germany

Martin Dietz  
**Inventor's signature** \_\_\_\_\_ **Date** \_\_\_\_\_ **Country of Citizenship** Germany  
 Residence Nuernberg Germany  
 Post Office Address Kleinreuther Weg 47, Nuernberg D-90408 Germany

Andreas Ehret  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Erlangen Germany  
**Post Office Address** Gerhart-Hauptmann-Strasse 1, Erlangen D-91058 Germany

(+) Karlheinz Brandenburg  
**Inventor's signature** *Karlheinz Brandenburg* \_\_\_\_\_  
**Date** August 13, 2001 **Country of Citizenship** Germany  
**Residence** Erlangen Germany *DEX*  
**Post Office Address** Haagstrasse 32, Erlangen D-91054 Germany

Heinz Gerhaeuser  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Waischenfeld Germany  
**Post Office Address** Saugendorf 17, Waischenfeld D-91344 Germany

Ali Nowbakht-Irani  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** ~~Germany~~ Iran  
**Residence** Erlangen Germany  
**Post Office Address** Wichernstrasse 18, Erlangen D-91052 Germany

Pierre Lauber  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Nuernberg Germany  
**Post Office Address** Rilkestrasse 30, Nuernberg D-90419 Germany

Roland Bitto  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Nuernberg Germany  
**Post Office Address** Alfons-Stauder-Strasse 77, Nuernberg D-90543 Germany

**COMBINED DECLARATION AND POWER OF ATTORNEY**

**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)**

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for a national stage of PCT application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

METHOD AND DEVICES FOR CODING OR DECODING AN AUDIO SIGNAL OR BIT STREAM

**SPECIFICATION IDENTIFICATION**

\* The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

**PRIORITY CLAIM (35 U.S.C. Section 119(a)-(d))**

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Such applications have been filed as follows.

**PRIOR PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. SECTION 119(a)-(d)**

INDICATE IF PCT	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 U.S.C. SECTION 119
PCT	PCT/EP98/08475	28 December 1998	yes

**POWER OF ATTORNEY**

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Customer No. 24283**

SEND CORRESPONDENCE TO  
**Customer No. 24283**

DIRECT TELEPHONE CALLS TO:  
Carl A. Forest  
303-379-1114

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURE(S)**

Ralph Sperschneider

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Erlangen Germany

Post Office Address Donato-Polli-Strasse 42, Erlangen D-91056 Germany

Martin Dietz

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship Germany

Residence Nuernberg Germany

Post Office Address Kleinreuther Weg 47, Nuernberg D-90408 Germany

Andreas Ehret  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Erlangen Germany  
**Post Office Address** Gerhart-Hauptmann-Strasse 1, Erlangen D-91058 Germany

Karlheinz Brandenburg  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Erlangen Germany  
**Post Office Address** Haagstrasse 32, Erlangen D-91054 Germany

Heinz Gerhaeuser  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Waischenfeld Germany  
**Post Office Address** Saugendorf 17, Waischenfeld D-91344 Germany

Ali Nowbakht-Irani  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** ~~Germany~~ Iran  
**Residence** Erlangen Germany  
**Post Office Address** Wichernstrasse 18, Erlangen D-91052 Germany

Pierre Lauber  
**Inventor's signature** \_\_\_\_\_  
**Date** \_\_\_\_\_ **Country of Citizenship** Germany  
**Residence** Nuernberg Germany  
**Post Office Address** Rilkestrasse 30, Nuernberg D-90419 Germany

*8/13* Roland Bitto  
**Inventor's signature** *Roland Bitto* \_\_\_\_\_  
**Date** August 13, 2001 **Country of Citizenship** Germany  
**Residence** Nuernberg Germany *DEK*  
**Post Office Address** Alfons-Stauder-Strasse 77, Nuernberg D-90543 Germany